Compressed air temperature and humidity regulator



code: H3021P

Humidistat, thermostat with two relay outputs. T+RH probe from hard anodized duralumin for compressed air up to 25 bars. Outdoor, indoor use.
Humidity, temperature probe on a cable. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

The device is supplied with T+RH probe with 1m cable.

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +105 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
HUMIDITY SENSOR	
Measuring range	0 to 100 % RH
Accuracy	±2.5 % RH from 5 to 95 % at 23 °C
Resolution	0.1% RH
DEW POINT	
Measuring range	-60 to +80 °C
Accuracy	±1.5 °C at ambient temperature T <25 °C and RH >30 %
Resolution	0.1 °C
MEASURING THE MOISTURE OF COMPRESSED AIR	
Measuring range	up to 25 bars
Air flow velocity	up to 25 m/s at a pressure of 1 bar (1m/s at a pressure of 25 bar)
RELAY OUTPUTS	
Quantity	2
Maximal voltage	50 V
Maximal current	2 A
Maximal power	60 VA
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +80 °C
Channels	1x connectable temperature+humidity probe
Counted values	dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy

Acoustic alarm	from built-in beeper - switchable
Power	9-30 Vdc
Protection class	IP65 electronics; IP40 sensors
Dimensions	136 x 159 x 45 mm; length/diameter of external probe 88/18 mm
External probe cable length	1 meter
Weight	approx. 400 g
Warranty	3 years